

# ILYAS IBRAGIMOV

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ilyasi.com

## EDUCATION

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### University College London (UCL)

MEng Electronic and Electrical Engineering

GPA: 4.0/4.0 (US equivalent)

*London, 2015-2019*

*First Class Honours*

Related Courses: Applied Machine Learning Systems, Machine Learning and Neural Computing, Cognitive Systems and Intelligent Technologies, Robotic Systems, Control Systems, Programming, Modelling and Analysis, Advanced Digital Design, Numerical Methods

### Brooklyn Technical High School

GPA: 4.0/4.0

*New York City, 2011-2015*

## EXPERIENCE

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### Fidessa

*Platform Development Intern*

*July 2018 - September 2018*

*Woking, UK*

- Designed and developed a client-facing secure file delivery system with JavaScript, jQuery, HTML/CSS, Java and TCL to replace non-secure manual data delivery methods.
- Fulfilled change requests for back-end Java code and configuration of existing Fidessa systems.
- Developed an understanding of the financial technology industry through several courses and seminars.
- Participated in numerous intern activities focused on developing professional and soft skills, including teamwork and delivering presentations with a team.

### Centre for Modelling and Analysis of Big Data in Finance and Economics

*Research Associate*

*June 2017 - June 2018*

*Innopolis University*

- Developed utilities with Python and MATLAB for statistical analysis incorporating inference methods proposed by the research group.
- Developed, deployed, and maintained a dynamic website for the centre with Python web-framework Django, HTML/CSS and JavaScript. (*robustness.ru*)
- Performed regular editing and translation of the group's research papers.

### UCL's How to Change the World Programme

*Team Member*

*June 2017*

*University College London*

- Worked with an interdisciplinary team to find innovative applications of smart technologies that would improve sustainable consumption and production patterns in the construction industry.
- Presented the ideas developed by the team to a panel of industry partners from the Ellen MacArthur Foundation, Alliance for Sustainable Building Products (ASBP), and Building Research Establishment (BRE).

## PROJECTS

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- **4th Year Project:** *Network Packet Routing With Deep Reinforcement Learning* - Explored the efficacy of deep reinforcement learning in the packet routing domain as an alternative to existing rule-based routing methods (Python, OpenAI Gym, TensorFlow).
- **3rd Year Project:** *Deep Learning Applications with LSTM Networks in Cryptocurrency Trading* - Explored the application of LSTM networks to predict future Bitcoin price movements, volatility, and returns when trained on a robust dataset (Python, Keras).

## SKILLS

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**Programming Languages** Python, Java, MATLAB, C, C++, JavaScript, HTML/CSS, TCL

**Libraries & Frameworks** Keras, TensorFlow, OpenAI Gym, scikit-learn, Pandas, Django, Flask, ns-3

**Other** Git, Perforce, Linux

**Languages** English (Native), Russian (Native)